

# TVD-5502

## TruVision IP Dome Camera, H.265/H.264, 8MPX

### Overview

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The TruVision Series 5 line of IP dome form factor cameras leverages the latest H.265 video compression technology to bring state-of-the-art, high-definition pictures to the mass video surveillance market. With camera resolutions up to 8 megapixel, these IP cameras represent a flexible video surveillance device to meet any need. Equipped with advanced technology and signal processing capability, they effectively capture video under challenging conditions.

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TruVision cameras utilize H.264 and/or H.265 compression technology with triple-streaming capability, making it easy to manage the camera's bandwidth usage. The cameras feature Low Light technology, which provides a clear image in low lighting conditions with a minimum of "grainy" interference. Recording to a local MicroSD card (not included) protects data in the event of network disruptions.

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These cameras go above and beyond standard motion detection with enhanced alarm capabilities, including line crossing detection, intrusion zone detection, de-focus and face detection features. Each is user-configurable to best suit the installation environment. A Region of Interest function ensures specific portions of an image are given priority during instances of high network traffic or network degradation.

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Location-specific functions include a Hallway View Mode to provide a portrait view of a hallway or corridor, a De-Fog Mode to help resolve images through fog or rain and Electronic Image Stabilization for installations subject to physical vibration or shaking.



### Details

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- Maximum Resolution: 3840 x 2160
- Super low light sensitivity
- Fixed lens 2.8 mm
- Up to 30m IR illumination
- H.265 and/or H.264 compression with triple-streaming functionality
- Edge recording up to 128GB SDHC card
- Embedded video analytics
- Audio and alarm I/O

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### Technical specifications

#### General

|                        |                                                             |
|------------------------|-------------------------------------------------------------|
| Technology             | IP                                                          |
| Video standard         | NTSC, PAL                                                   |
| Image settings         | Hallway View, Mirror, ROI (Region Of Interest)              |
| Software compatibility | OnGuard, Prism, TruVision Navigator, TVRmobile, Web Browser |

#### Camera

|                      |                   |
|----------------------|-------------------|
| Sensor size          | 1/2.8"            |
| Max. resolution      | 8 MP (4K)         |
| Sensor scan          | Progressive       |
| Sensor type          | CMOS              |
| Total Pixels (H x V) | 3840 x 2160       |
| Digital S/N ratio    | 50 dB (AGC Off)   |
| Shutter time         | 1/3s - 1/100,000s |

#### Lighting performance

|                         |                          |
|-------------------------|--------------------------|
| WDR type                | True WDR                 |
| WDR                     | 120 dB                   |
| Digital noise reduction | 3D DNR                   |
| Day/night               | True Day/Night           |
| Motorized IR cut filter | Yes                      |
| Color sensitivity       | 0.028 lux @ (f2, AGC ON) |
| B/W sensitivity         | 0 lux with IR on         |
| Infrared (IR)           | Yes                      |
| IR range                | Up to 30 m               |

#### Encoding

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Video streams           | 3                                                                                               |
| Main stream compression | H.264, H.265                                                                                    |
| Sub stream compression  | H.264, H.265, MJPEG                                                                             |
| Video bit rate          | 32kbps to 16Mbps                                                                                |
| Main stream resolutions | 1280 x 720 (XVGA), 1920 x 1080 (1080p), 2560 x 1440, 3072 x 1728, 3840 x 2160, 704 x 576 (4CIF) |
| Sub stream resolutions  | 320 x 240 (QVGA), 640 x 360 (nHD), 640 x 480 (VGA), 704 x 576 (4CIF)                            |
| Max. resolution @ fps   | 3840 x 2160 @20 fps                                                                             |

#### Lens

|              |        |
|--------------|--------|
| Lens type    | Fixed  |
| Focal length | 2.8 mm |
| f-stop       | f2.0   |
| Auto iris    | No     |

#### Network

|                             |                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Network interface           | RJ-45 10/100 Mbps self-adaptive Ethernet interface                                                                           |
| Integration                 | CGI, ISAPI, ONVIF Profile G, ONVIF Profile S, ONVIF Profile T, PSIA                                                          |
| Supported network protocols | 802.1x, Bonjour, DDNS, DHCP, DNS, ezDDNS, FTP, HTTP, HTTPS, IGMP, IPv4, IPv6, RTCP, RTP, RTSP, SMTP, SNMP, TCP/IP, UDP, UPnP |

#### Audio

|                   |                                       |
|-------------------|---------------------------------------|
| Audio compression | G.711a, G.711u, G.722.1, G.726, MP2L2 |
| Audio in          | 1 Line-in                             |
| Audio out         | 1                                     |

#### Alarm I/O

|                      |               |
|----------------------|---------------|
| Alarm inputs         | 1             |
| Alarm outputs        | 1             |
| Alarm I/O connection | Terminal Type |

#### Storage

|                       |                                       |
|-----------------------|---------------------------------------|
| Local storage support | Yes                                   |
| Local storage type    | Built-in Micro SD/SDHC/SDXC card slot |
| Max. SD card capacity | 128GB                                 |

#### Video intelligence

|               |                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm trigger | Motion detection, Privacy Masking, Video tampering                                                                                              |
| Smart event   | Advanced motion detection, Face detection, Intrusion detection, Line crossing detection, Object removal detection, Unattended baggage detection |

#### Electrical

|                   |                                                  |
|-------------------|--------------------------------------------------|
| Operating voltage | 12 VDC ±25%, PoE (802.3af, 36 V to 57 V,class 3) |
| Power consumption | Max. 9 W                                         |

#### Physical

|                     |                 |
|---------------------|-----------------|
| Physical dimensions | Ø 111 × 82.4 mm |
| Net weight          | 540 g           |
| Colour              | Grey            |
| Form Factor         | Dome            |

#### Environmental

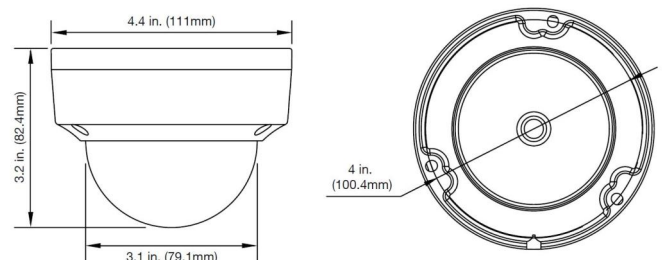
|                       |                               |
|-----------------------|-------------------------------|
| Impact rating         | IK10                          |
| Environment           | Outdoor                       |
| Operating temperature | -30 to +60°C<br>-22 to +140°F |
| Storage temperature   | -30 to +60°C<br>-22 to +140°F |
| Relative humidity     | <95% (non-condensing)         |
| IP rating             | IP67                          |

#### Regulatory

|            |                                      |
|------------|--------------------------------------|
| Compliance | CE, FCC, HALT, REACH, RoHS, UL, WEEE |
|------------|--------------------------------------|

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